Digital Micro-measure Camera

User Manual

Digital Micro-measure camera is a slim type handy tool.

It can easily use in different fields:

1. Skin inspection
2. Hair inspection
3. Industrial inspection: PCB, Material…
4. Education purpose
5. Print Industrial
6. Textile industrial
7. Biological inspection
8. Jewel & Stamp (Collections) inspection
9. Others

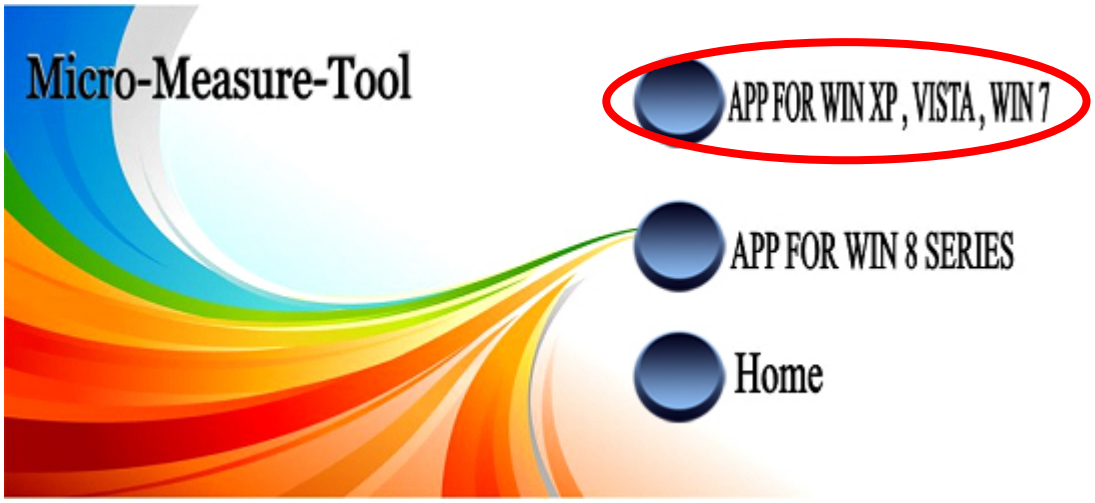
digital micro-measure camera is designed for PC solution with friendly user interface. The special AP software: Micro-Measure-Tool can support you to have picture, record video and do micro-measure work with ease.

How to install software

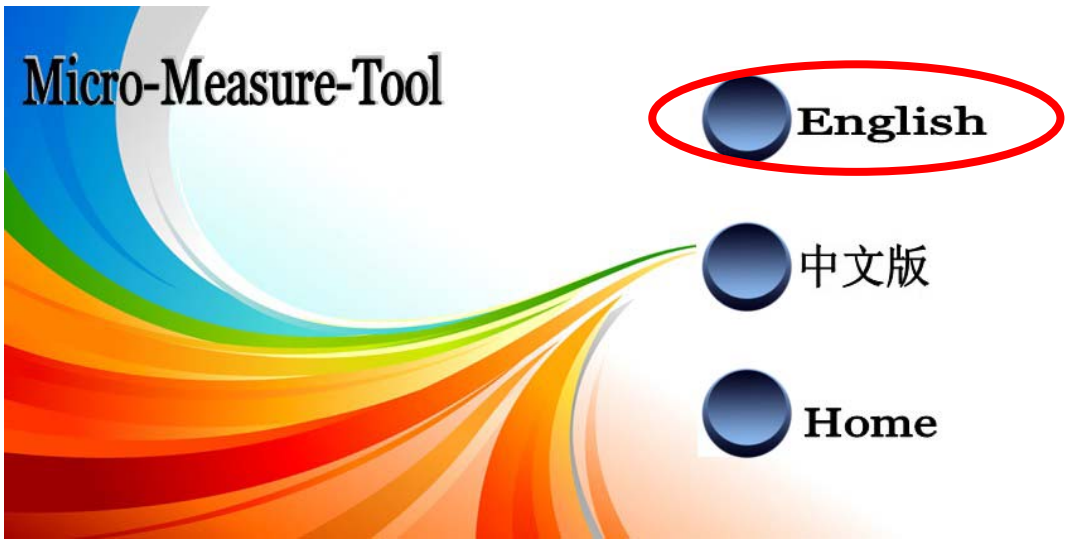
1. Insert CD ROM

2. System will auto come out the interface as bellowing, Click “Micro-Measure-Tool” to start Micro-Measurement Tool program.

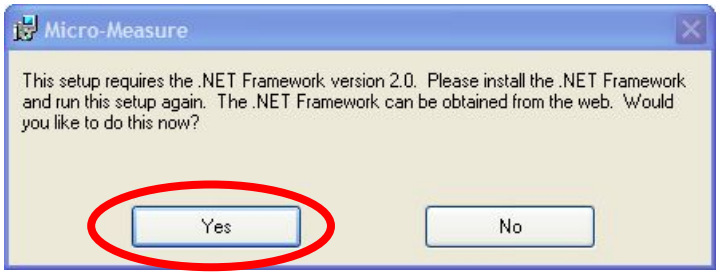
3. Click “APP FOR WIN XP，VISTA， WIN7” or “APP FOR WIN8 SERIES” to start installation



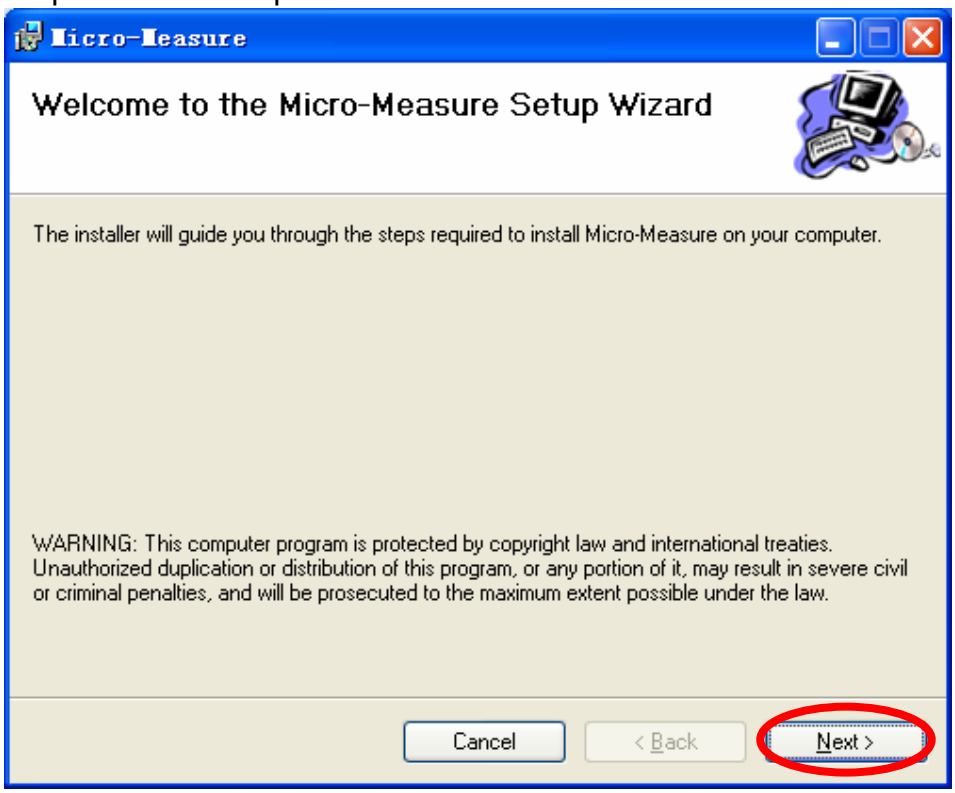
4. Interface shows language Selection : please click “English” （or “Chinese” for Chinese）

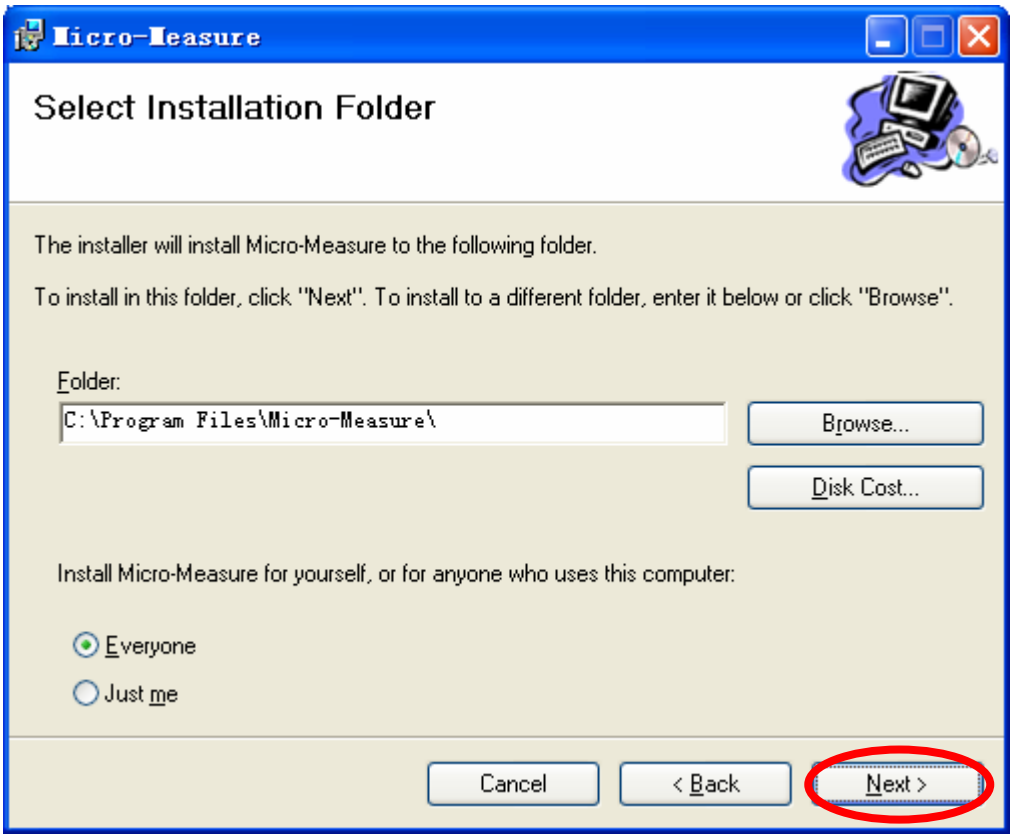


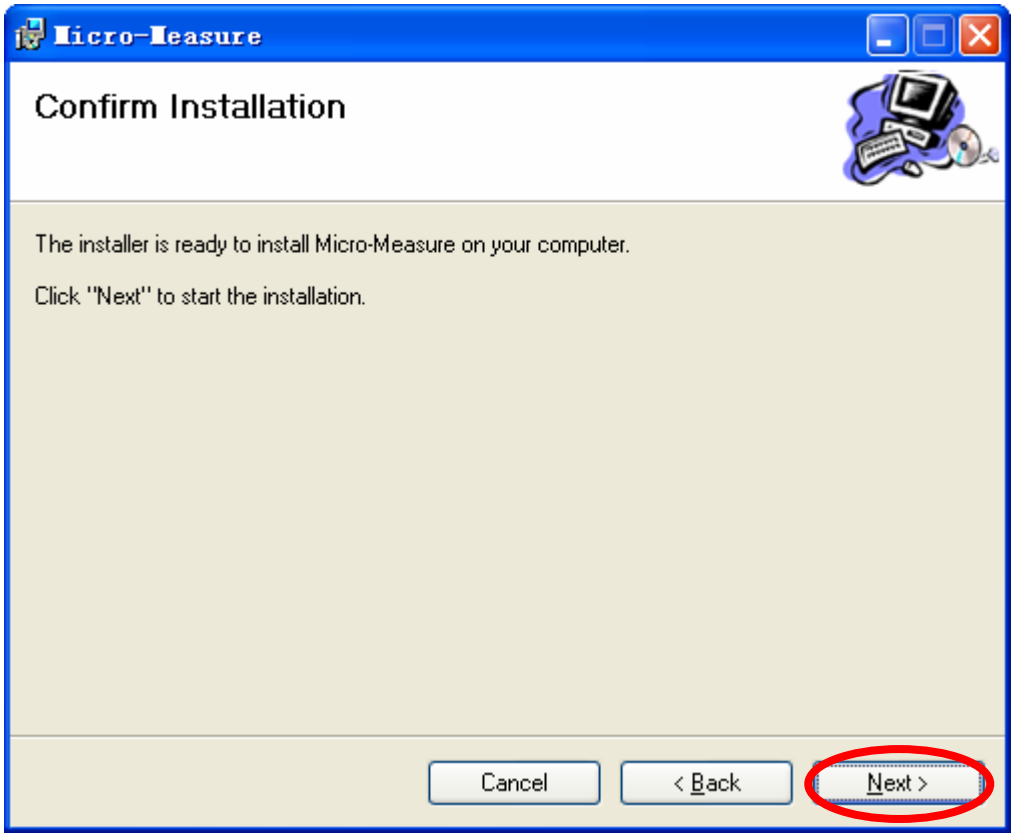
It appears as below if your system asked for Framework version 2.0 before install this software.

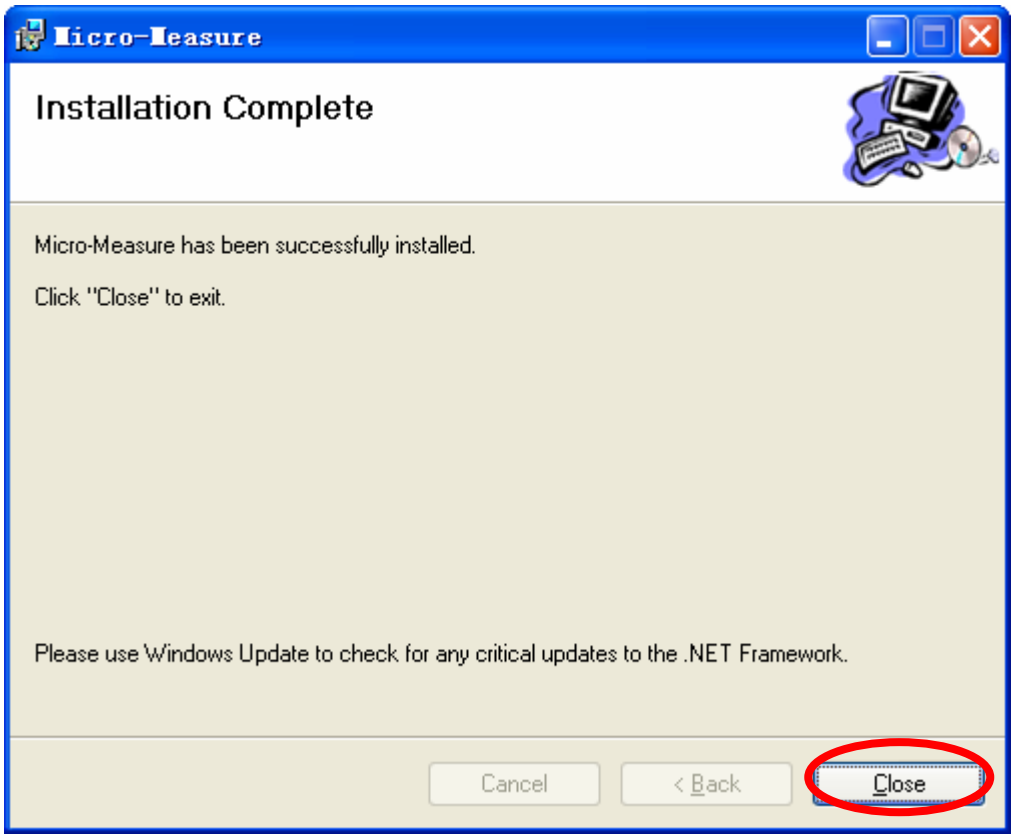

Micro-Measure
This setup requires the .NET Framework version 2.0. Please install the .NET Framework and run this setup again. The .NET Framework can be obtained from the web. Would you like to do this now?
Yes
No

3. Complete Framework 2.0，then click “Micro-Measure-Tool” and start the install process，follow the instructions of computer by press “next”, then complete the install process.


Micro-Measure
Welcome to the Micro-Measure Setup Wizard
The installer will guide you through the steps required to install Micro-Measure on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >


Micro-Measure
Select Installation Folder
The installer will install Micro-Measure to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\Micro-Measure\
Browse...
Disk Cost...
Install Micro-Measure for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >


Micro-Measure
Confirm Installation
The installer is ready to install Micro-Measure on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >


Micro-Measure
Installation Complete
Micro-Measure has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel
< Back
Close

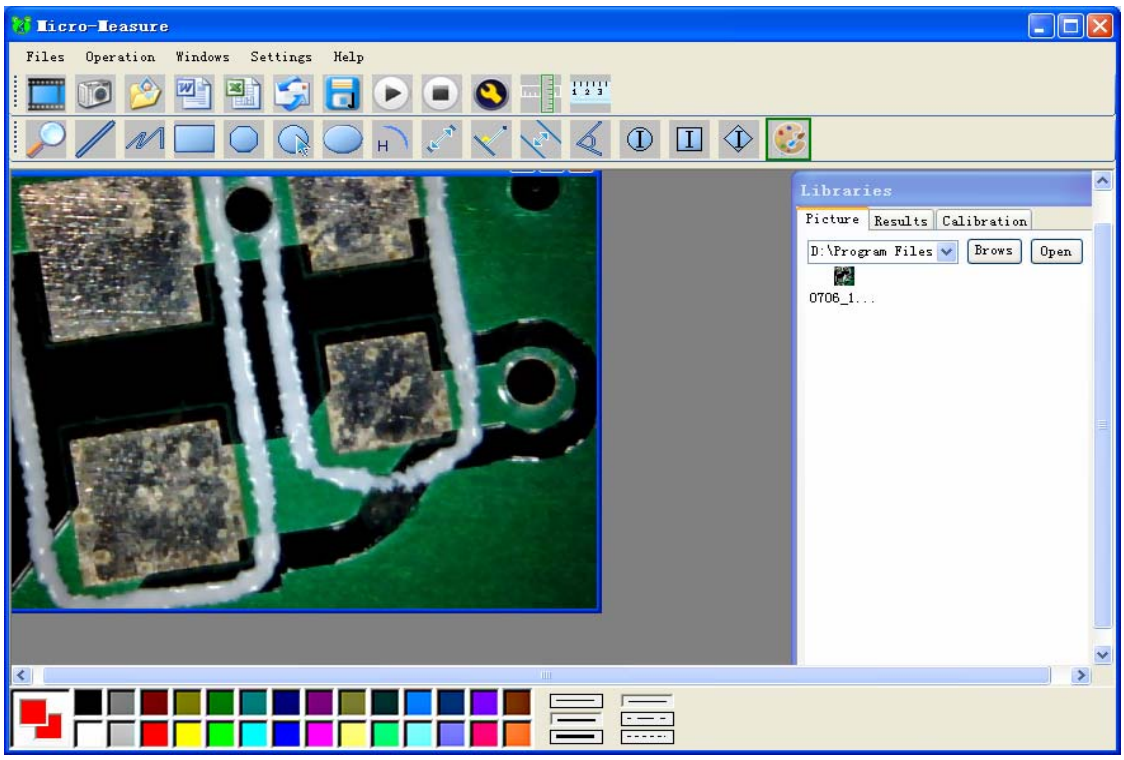
How to do micro-measure

1. Make sure driver has well installed, double click icon

on desk top of computer.

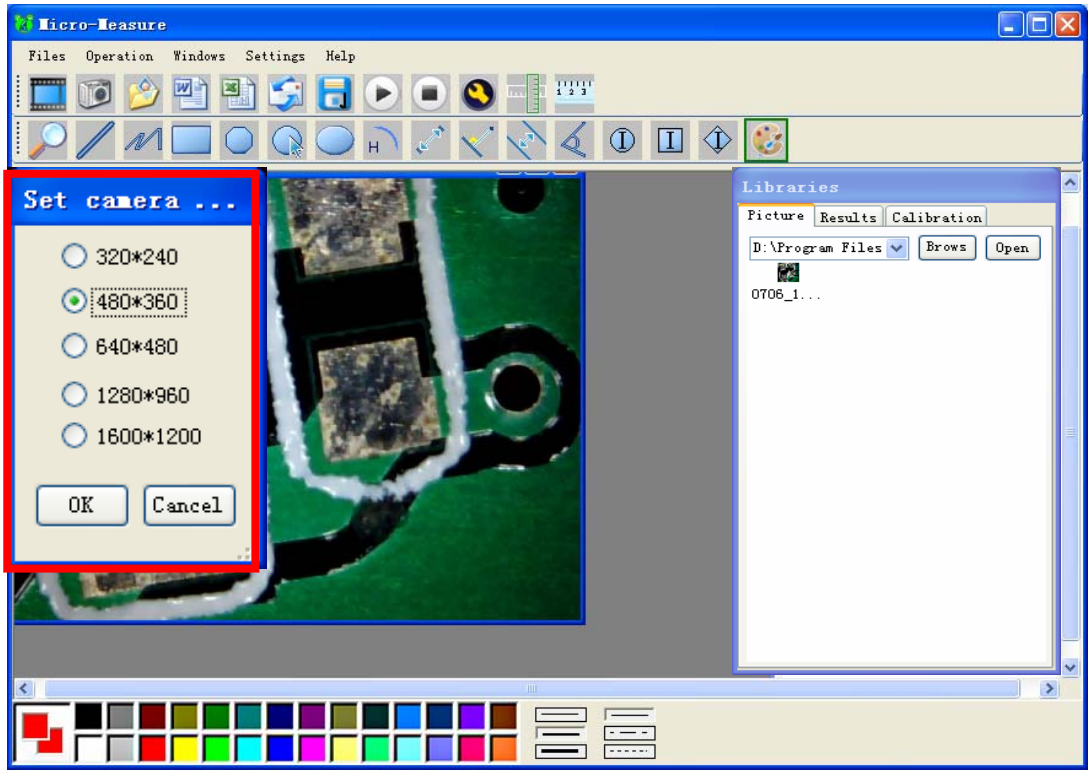
2. If microscope did not in its ready condition (link to PC & ready for use) ,System will remind you to get ready before use (as below shown):

3. Plug – in Microscope, real time display in operation window ：

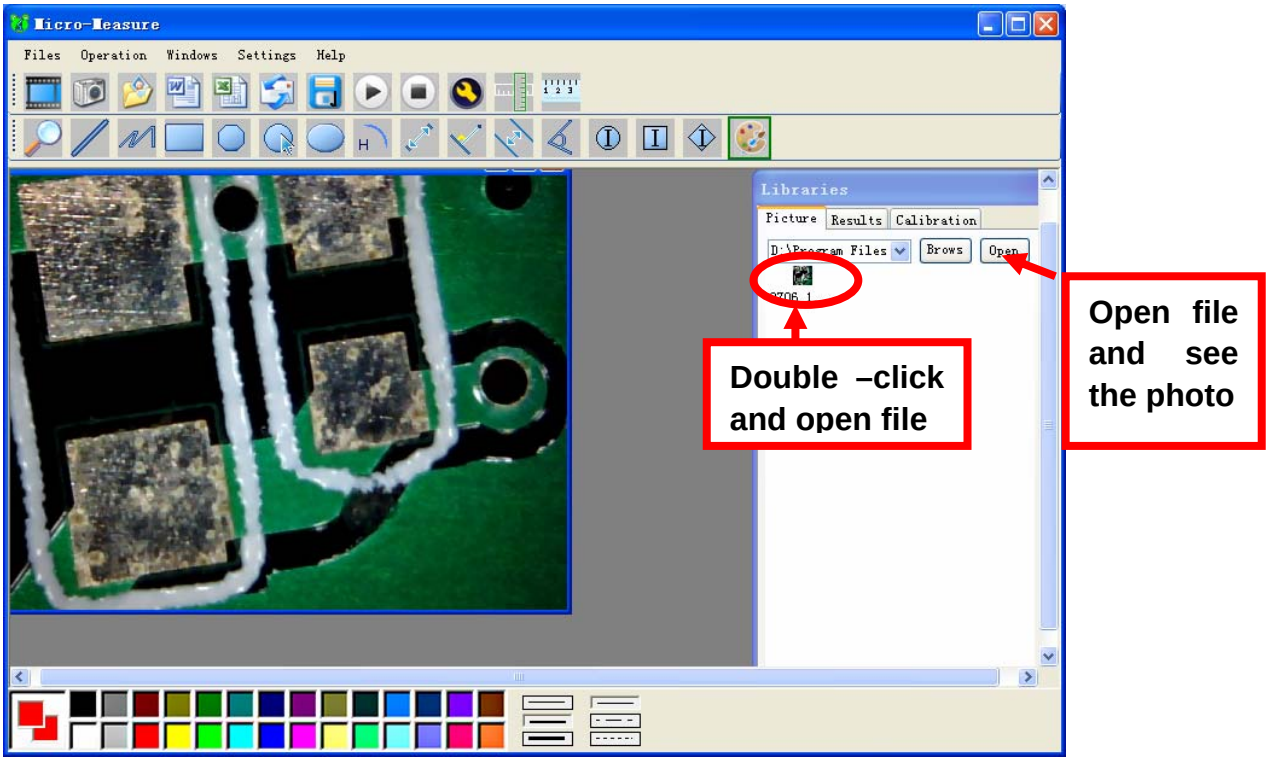


4. The instructions of function options ：

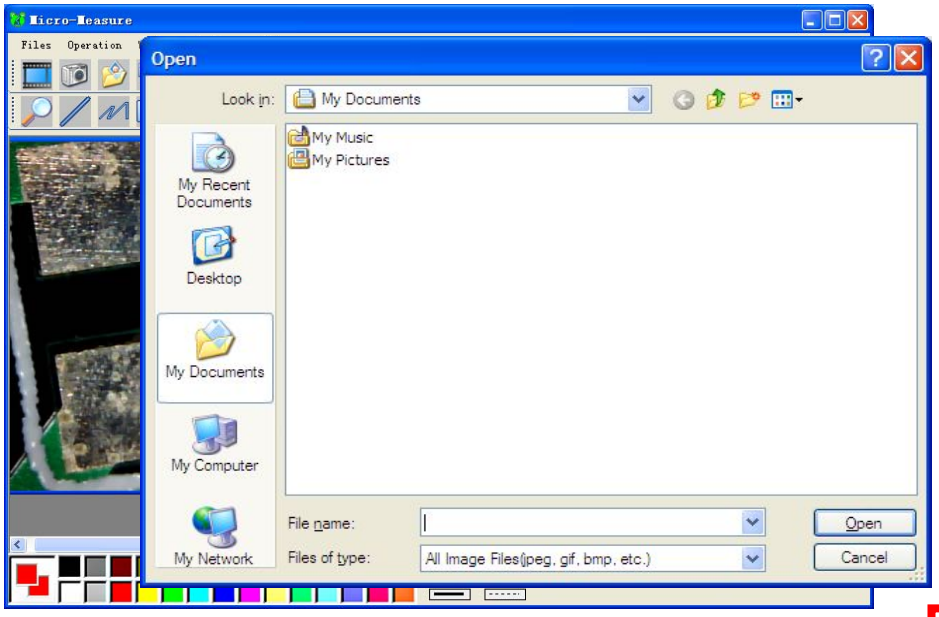
Click ,open operation system, Choose image resolution from CIF ~ 2M, depend on image quality need. (Default at VGA mode 640 x 480)



Click SNAP icon to take pictures as below shown



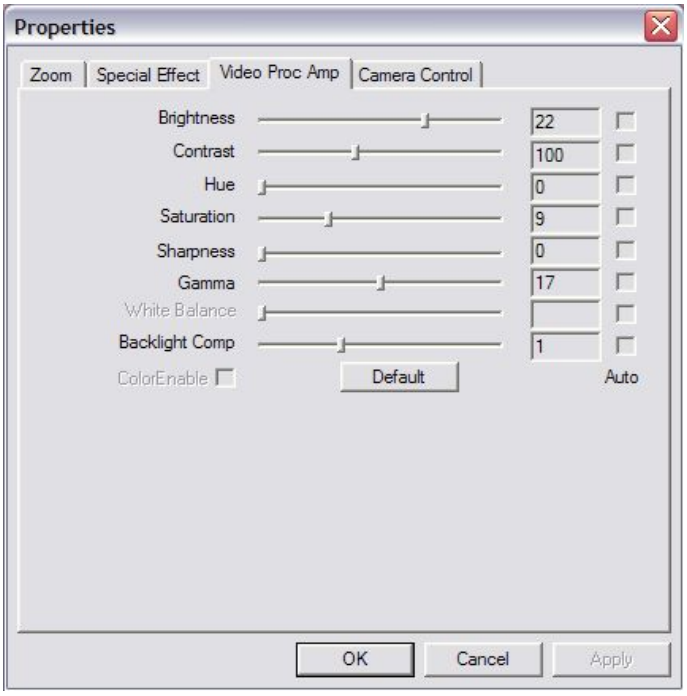
Click icon to open pictures，and click icon to save pictures



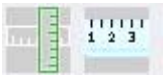
Video function: from left to right : Play (Pause) ,Stop .

Click the preview function stop, system show and start measure.

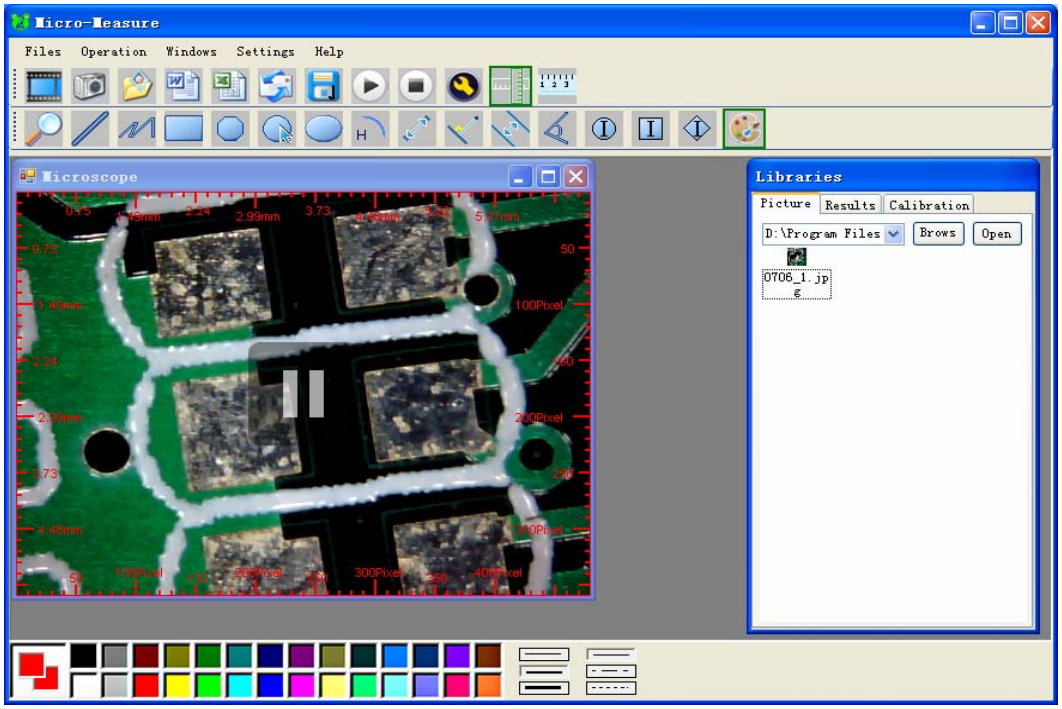
image fine tune parameters , include Zoom ,Video Proc Amp & Special Effects.



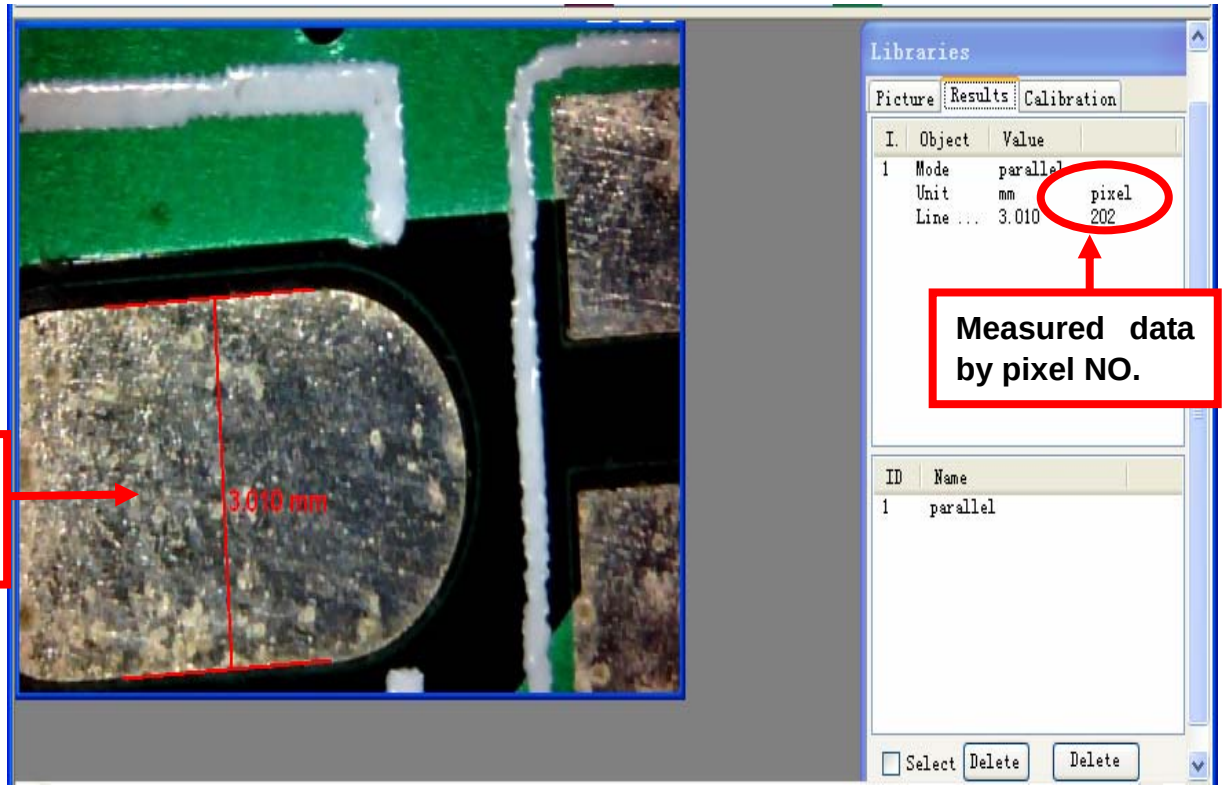
Magnifier

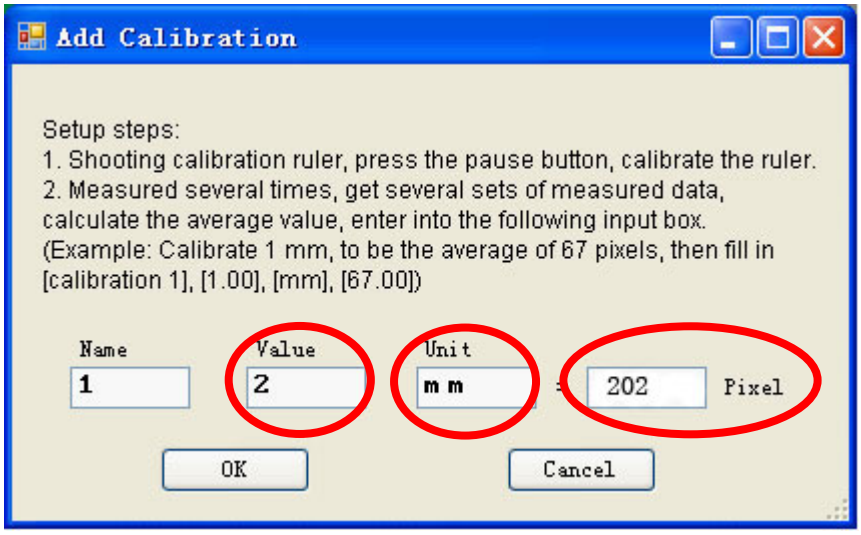
 Calibration functions.

① Click ，Show as below



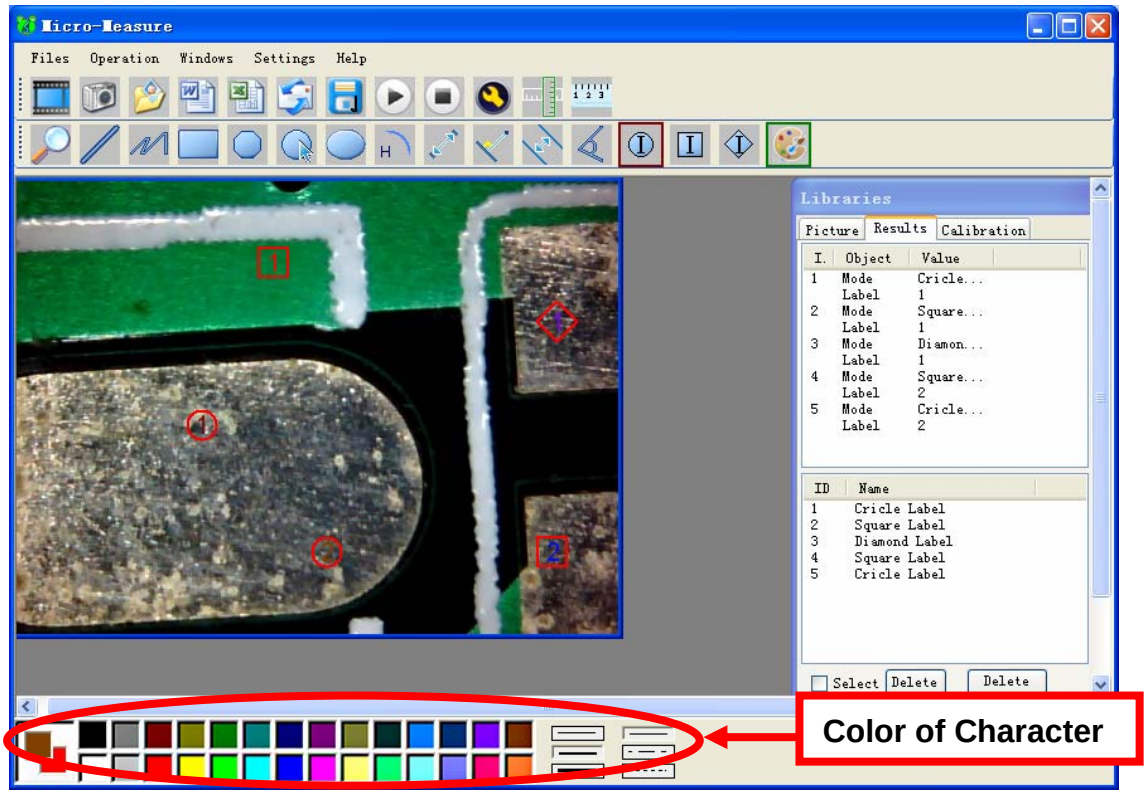
② Click , start calibration make sure certain accuracy.





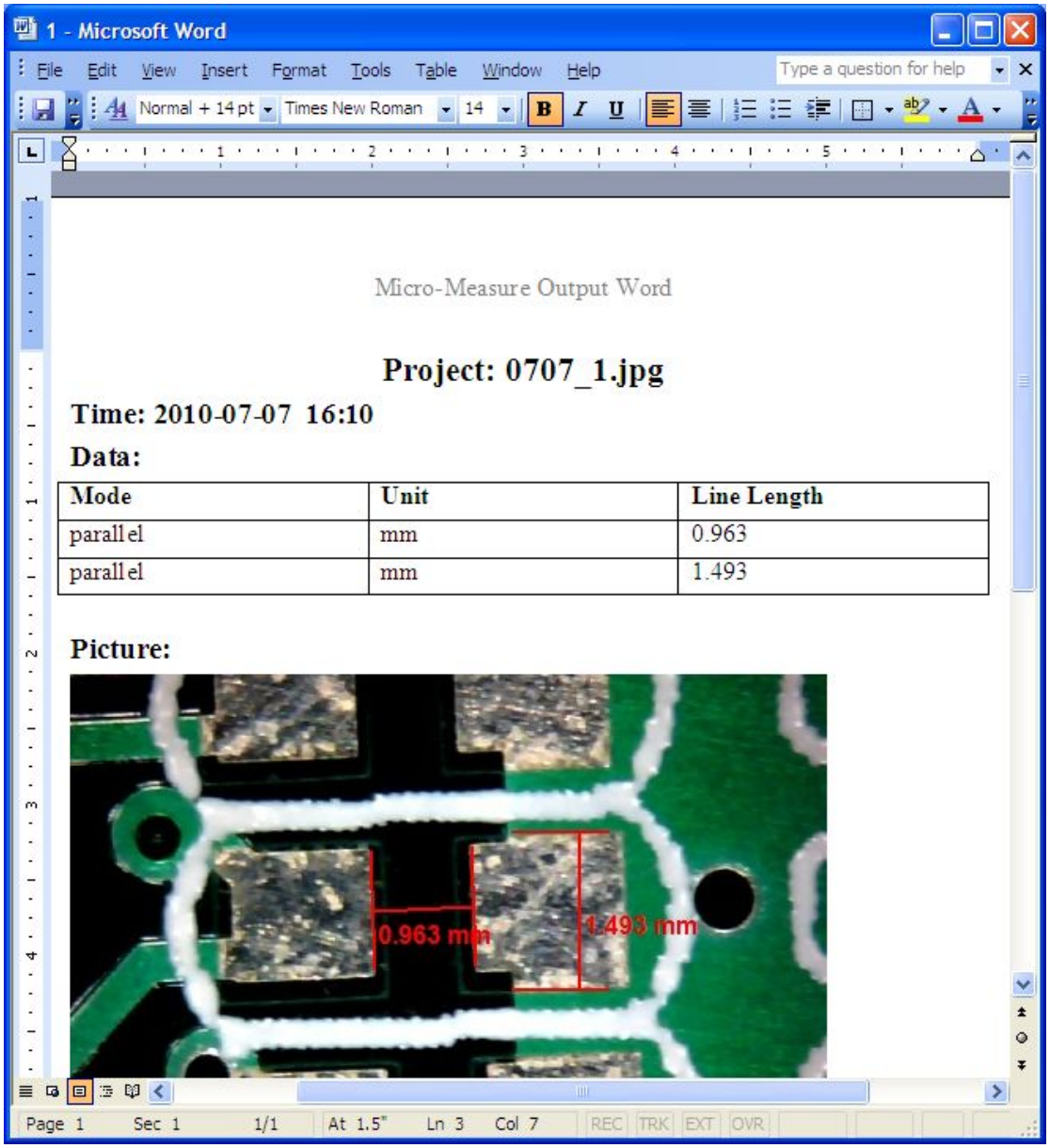
Key-in measure data，unit (mm) and pixel no. then click “OK”.

Color setting of display character



Click to file by WORD format or EXCEL format, you can direct e-mail out by Outlook.

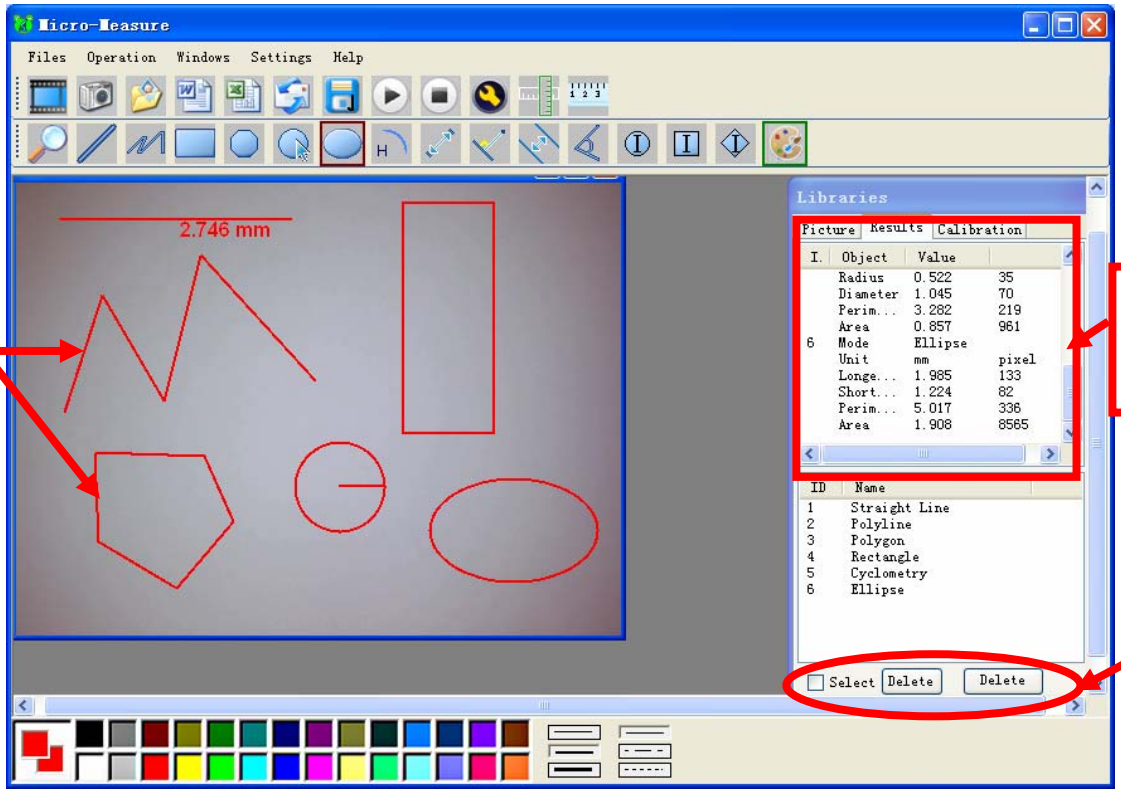
Example : Measure data under Word file.



measure functions：

From left to right : Length , Set-Line Length.

Square, polygon, ring , oval.（as below shown）



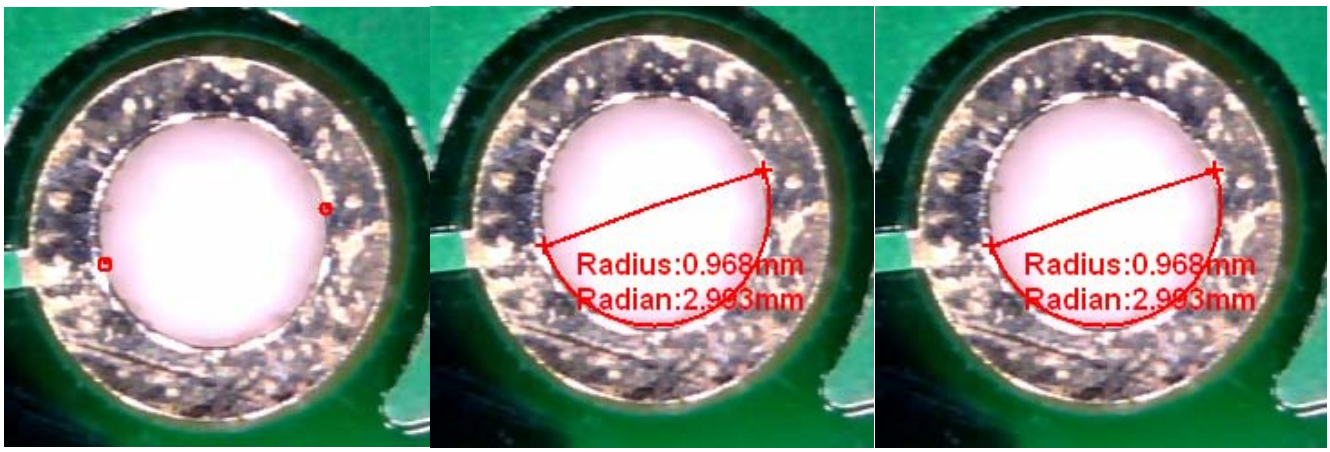
Drawing by mouse

data

Delete data

Arc measurement : include : Arc length , diameter.

Fix the start point & end point on the arc, then fit in the curve by fine tune (Through mouse) curve.（as below shown）



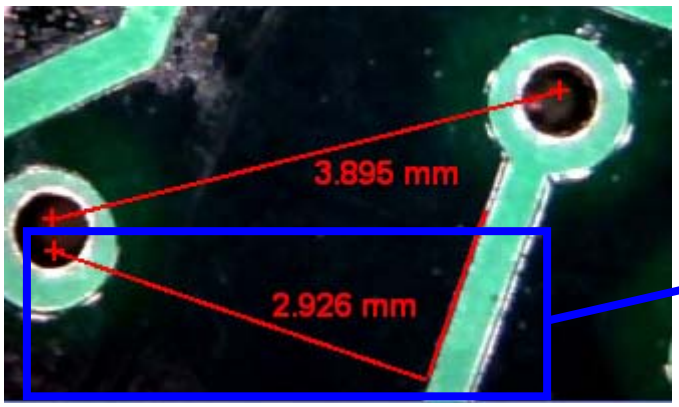
Select 2 points in the Arc

Fit in Curve by moving your mouse.

Complete measurement by click left key

Left : Point to point distance , Right : Point to line distance.

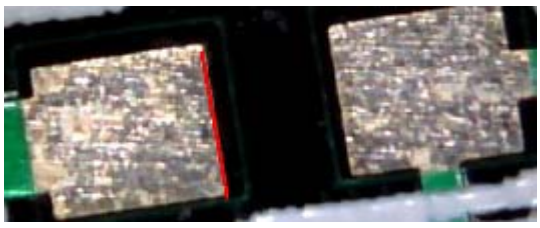
Tips: start :keep press the mouse right key and ended by lease key.



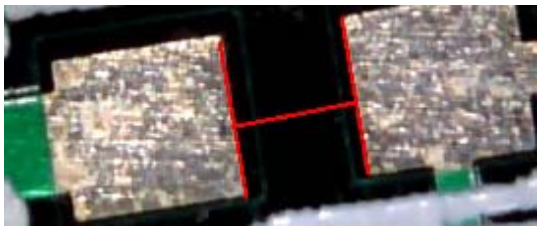
Notes ：When measure line to point , be sure to fix line first or it cause fail.

Left : Measure the distance between parallel lines . Right : angle of two lines.

Tips : Find a base line by mouse and move to another line by moving mouse. Measure results will show on screen.（as below shown）



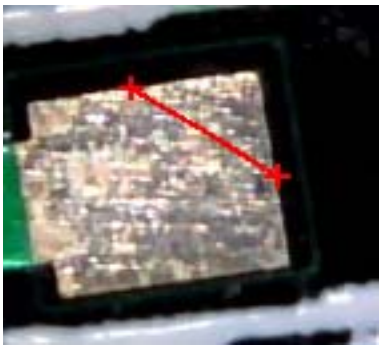
Select 2 points on



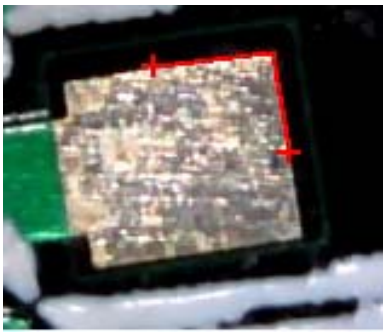
Try to match

Distance found

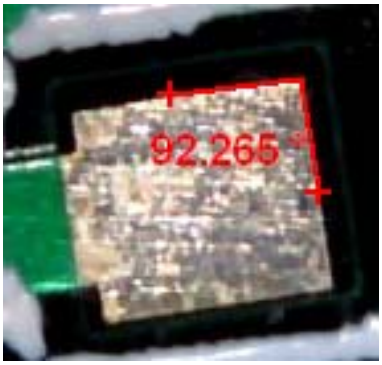
Tips : Find 2 points at right & left side of the angle top, then click the top of angle. Measure result wills display.（as below shown）



2 points selected



Moving to the top of angle



Confirmed & click

Q & A

Q Why pre-view disable？
A 1 No driver installed.
2 LED did not on (Lighting)；
3 Re-boot Camera。

Q Ill measure accuracy？
A 1 Re-calibration
2 Fine-tune focus

Q How to un-install software？
A Depart the micro-measure camera from PC.
1 Find the program file in system，click “un-install”。
2[Start]>[Program]>[Digi-microscope]>[Uninstall]
[Start]>[Program]>[Micro-Measure]>[Uninstall]

Q Micro-measure Software un-work？
A 1 Check the connection is workable .
2 Check the software and re-start the program.